



Robert Greene Sterne Edward J. Kessler Jorge A. Goldstein David K.S. Cornwell Robert W. Esmond Tracy-Gene G. Durkin Michele A. Cimbala Michael B. Ray Robert E. Sokohl Eric K. Steffe Michael Q. Lee Steven R. Ludwig John M. Covert Linda E. Alcom Robert C. Millionig Lawrence B. Bugalsky Donald J. Featherstone Michael V. Messinger Judith U. Kim Timothy J. Shea, Jr.

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June 25, 2002

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JUL 1 2002

TECH CENTER 1600/2900

WRITER'S DIRECT NUMBER: (202) 371-2641 INTERNET ADDRESS: HCARLSON@SKGF.COM

Art Unit 1644

Commissioner for Patents Washington, D.C. 20231

Re: U.S. Utility Patent Application

Appl. No. 09/350,401; Filed: July 8, 1999

For: Inducing Cellular Immune Responses to Hepatitis B Virus Using Peptide and Nucleic Acid Compositions

Inventors:

Sette et al.

Our Ref:

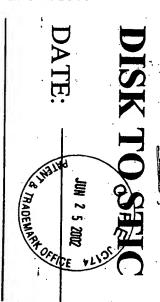
2060.0060008/EKS/HCC

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Petition For Extension of Time Under 37 C.F.R. § 1.136(a)(1);
- 2. Fee Transmittal Form (PTO/SB/17);
- 3. Amendment and Submission of Substitute Sequence Listing Under 37 C.F.R. § 1.825(a);
- 4. <u>812</u> pages of a paper copy of the Substitute Sequence Listing;
- 5. A computer readable copy of the Substitute Sequence Listing;
- 6. Copy of Notice to Comply with Requirements for Nucleotide and/or Amino Acid Sequence Disclosures;
- 7. Certificate Under 37 C.F.R. § 3.73(b);
- 8. Revocation of Prior Power of Attorney and Appointment of New Attorneys of Record;
- 9. Change of Correspondence Address;
- 10. Our check no. 35643 for \$1,440.00 to cover extension of time fees; and
- 11. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are



Commissioner for Patents June 25, 2002 Page 2

necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

Vollenllalson

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Helene C. Carlson

Agent for Applicants

Registration No.47,473

HCC/PAC:drb
Enclosures

::ODMA\MHODMA\SKGF_DC1;27523;1 SKGF Rev. 2/15/02 dcw



Certificate Under 37 C.F.R. § 3.73(b)

Entitled: Inducing Cellular Immune Responses to Hepatitis B Virus Using Peptide and Nucleic Acid Compositions Epimmune Inc	Applica	ation No./Patent No.: 09/350,401 Filed	d/Issue Date: July 8, 1999
states that it is: 1. [X] the assignee of the entire right, title, and interest, or 2. [] an assignee of an undivided part interest 3. [X] An Assignment from the inventor(s) of the patent application/patent identified above. The assignment we recorded in the Patent and Trademark Office at Reel 010418, Frame 0495, and Reel 010940, Frame 068: or for which a copy thereof is attached. 1. From: 1. [To: 1. [The document was recorded in the Patent and Trademark Office at Reel, or for which a copy thereof is attached. 2. From: 1. From: 1. Frame, or for which a copy thereof is attached. 3. From: The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. 3. From: To: The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. 3. From: To: The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. [] Additional documents in the chain of title are listed on a supplemental sheet. [] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8] The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.	Entitled	d: Inducing Cellular Immune Responses to Hepatitis B Virus Us	sing Peptide and Nucleic Acid Compositions
RECEIVED 2. [] an assignee of an undivided part interest 2. [] an assignee of an undivided part interest 3. JUL 1 2007 TECH CENTER 1600/2900 A. [X] An Assignment from the inventor(s) of the patent application/patent identified above. The assignment we recorded in the Patent and Trademark Office at Reel 010418, Frame 0495, and Reel 010940, Frame 068: or for which a copy thereof is attached. OR B. [] A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below: 1. From:	Epimn	nune Inc. , a corporation (Type of Assignee) (Type of Assignee)	n e, e.g., corporation, partnership, university, government agency,etc.)
2. [] an assignee of an undivided part interest 2. [] an assignee of an undivided part interest 3. [X] An Assignment from the inventor(s) of the patent application/patent identified above. The assignment we recorded in the Patent and Trademark Office at Reel 010418, Frame 0495, and Reel 010940, Frame 0685 or for which a copy thereof is attached. 3. [A] A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below: 1. From:	states tl	hat it is:	
In the patent application/patent identified above by virtue of either: TECH CENTER 1600/2900 A. [X] An Assignment from the inventor(s) of the patent application/patent identified above. The assignment we recorded in the Patent and Trademark Office at Reel 010418, Frame 0495, and Reel 010940, Frame 0685 or for which a copy thereof is attached. OR B. [] A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below: 1. From:	l. [X]	the assignee of the entire right, title, and interest, or	RECEIVED
A. [X] An Assignment from the inventor(s) of the patent application/patent identified above. The assignment we recorded in the Patent and Trademark Office at Reel 010418, Frame 0495, and Reel 010940, Frame 068: or for which a copy thereof is attached. B. [] A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below: 1. From:	2. []	an assignee of an undivided part interest	JUL 1 2002
recorded in the Patent and Trademark Office at Reel 010418, Frame 0495, and Reel 010940, Frame 068: or for which a copy thereof is attached. OR B. [] A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below: 1. From:	n the p	patent application/patent identified above by virtue of either:	TECH CENTER 1600/2900
assignee as shown below: 1. From:		recorded in the Patent and Trademark Office at Reel 01041	
The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. 2. From: To:, or for which a copy thereof is attached. 3. From:, or for which a copy thereof is attached. 3. From:	В. []	, , ,	on/patent identified above to the current
Reel, Frame, or for which a copy thereof is attached. 2. From: To:, or for which a copy thereof is attached. 3. From: To:, or for which a copy thereof is attached. 3. From: To:, or for which a copy thereof is attached. 3. From:, Frame, or for which a copy thereof is attached. [] Additional documents in the chain of title are listed on a supplemental sheet. [] Copies of assignments or other documents in the chain of title are attached. [[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8] The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.		1. From:To:	
The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. 3. From: To:, or for which a copy thereof is attached. The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. [] Additional documents in the chain of title are listed on a supplemental sheet. [] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8] The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.		The document was recorded in the Patent and Tra Reel, Frame, or for whi	ndemark Office at ich a copy thereof is attached.
Reel, Frame, or for which a copy thereof is attached. 3. From:To:The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. [] Additional documents in the chain of title are listed on a supplemental sheet. [] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8] The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.		2. From:To:	
The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached. [] Additional documents in the chain of title are listed on a supplemental sheet. [] Copies of assignments or other documents in the chain of title are attached. [[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8] The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee. Signature:			
[] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8] The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee. Signature:		The document was recorded in the Patent and Tra	demark Office at
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8] The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee. Signature:		[] Additional documents in the chain of title are listed on	a supplemental sheet.
Signature:	[] Cop	[NOTE: A separate copy (i.e., the original assignment doc document) must be submitted to Assignment Division in action of the companion of the	cument or a true copy of the original ccordance with 37 CFR Part 3, if the
		densioned (uthogo title is sumplied below) is summarround to a	ct on behalf of the assignee.
Name: Alessandro D. Sette, Ph.D.	The un	dersigned (whose title is supplied below) is empowered to ac	
		$(A \land A \land$	
	Signatu	ure: Self	

Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Pape	rwork Reduction Act of 1995, no persons are required to t	espond to a conection of information unit	ss it displays a valid OMB control numbe		
SIPE		Complete if Known			
FEE TRAN	SMITTAL	Application Number	09/350,401		
* \	Ā	Filing Date	July 8, 1999		
JUN 2 5 2002 g for FY	2002	First Named Inventor	Alessandro SETTE		
Patent fees are subject	et to annual revision	Examiner Name	Ronald B. Schwadron		
Patent fees are subject	to amuai revision.	Group Art Unit	1644		
	(\$) 1,440.00	Attorney Docket No.	2060.0060008/EKS/HCC		

METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)					
		er is hereby authorized to charge credit any overpayment to:		TIONAL Entity		Entity			
Deposit Account Number	19-0036	5	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee D	escription	Fee paid
Deposit Account Name	Sterne, I	Kessler, Goldstein & Fox P.L.L.C.	105	130	205	65	Surcharge - late filing f	ee or oath	
☐ Charge Any			127	50	227	25	Surcharge - late provisional	filing fee or cover sheet	
Under 37 CFI	Addition R §§ 1.10	al Fee Required 5 and 1.17	139	130	139	130	Non-English specific	cation	
Applicant clai	ims smal	l entity status	147	2,520	147	2,520	For filing a request for	r <i>ex parte</i> reexamir	nation
See 37 CFR 1.	.21		112	920*	112	920*	Requesting publication of action	f SIR prior to Examine	ır 📗
2. Payment Enck	ocod:		113	1,840*	113	1,840*	Requesting publication of	f SIR after Examiner a	action
· ·		ard Money Order Other* it any overpayments in the fees or fee elow to Deposit Account No. 19-0036.	115	110	215	55	Extension for reply w	ithin first month	
		ALCULATION	116	400	216	200	Extension for reply w	ithin second month	
1. BASIC FILING F	EE		117	920	217	460	Extension for reply w	ithin third month	
Large Entity Smal			118	1,440	218	720	Extension for reply w	ithin fourth month	1,440.00
Fee Fee Fee Code (\$) Code	Fee e (\$)	Fee Description Fee Paid	128	1,960	228	980	Extension for reply w	ithin fifth month	
101 740 201	370	Utility filing fee	119	320	219	160	Notice of Appeal		
106 330 206	165	Design filing fee	120	320	220	160	Filing a brief in suppo	ort of an appeal	
107 510 207	255	Plant filing fee	121	280	221	140	Request for oral hear	ring	
108 740 208	370	Reissue filing fee	- 138	1,510	138	1,510	Petition to institute a	public use proceed	ing
114 160 214	80	Provisional filing fee	140	110	240	55	Petition to revive - ur	avoidable	
SUBTOTAL	(1) (9	\ 0.00	141	1,280	241	640	Petition to revive - un		
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			143	460	243	230	Design issue fee		3
			144	620	244	310	Plant issue fee		
			122	130	122	130	Petitions to the Comr	nissioner	₹ 「 ()
2. EXTRA CLAIM F	EES	Fee from Extra below Fee Paid	123	130	123	130	Petitions related to pr		
Total Claims	- 20** =	X =	126	180	126	180	Submission of Inform	ation Disclosure St	# # 2 <
		= x =	581	40	481	40	Recording each pate property (times numb	nt assignment per er of properties)	A S T
Multiple Dependent		<u> </u>	_ 146	740	246	370	Filing a submission a (37 CFR 1.129(a))		\$ L
Large Entity Small Fee Fee Fee	Fee	Fee Description	149	740	249	370	For each additional in (37 CFR 1.129(b))	nvention to be exan	nined
Code (\$) Code 103 18 203	(\$) 9	Claims in excess of 20	179	740	279	370	Request for Continue	ed Examination (RC	(E)
102 84 202	42	Independent claims in excess of 3	169	900	169	900	Request for expedite	d examination of a	
	140	Multiple dependent claim	Other fee	(specify) :			design application		
108 84 209 110 18 210	42 9	"Reissue independent claims over original patent "Reissue claims in excess of 20 and over original patent		(specify) :					
su	ВТОТА	L (2) (\$) 0.00	1	by Basic I	Filing Fe	e Paid			
** or number previously	paid, if g	reater; For Reissues, see above					SUBTOTAL	(3) (\$) <u>1,440</u>	.00
SUBMITTED BY								Complete (if app	olicable)
Name (Print/Type) Helene C. Carlson				Registration No. (Attorney/Agent)		47,473	Telephone	202-371-2600	
Signature	4	belevellailm						Date	June 25, 2002
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. Burden Hour Statement: This form is estimated to take 0.2 hours to complete. The will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. #27430v1 <skgf_dc1> -fee transmittal form cot for sequence listing subm. wpd</skgf_dc1>									



Application No.: 09/350401

NOTION COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

X 1	. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
2	This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
] 3	. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
\	. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
5	The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
6	. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
7	. Other:
Appl	icant Must Provide:
X A	n initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
A in	n <u>initial</u> or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry ito the specification.
ام بت	statement that the content of the paper and computer readable copies are the same and, where pplicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 825(b) or 1.825(d).
For q	uestions regarding compliance to these requirements, please contact:
	Rules Interpretation, call (703) 308-4216
	CRF Submission Help, call (703) 308-4212 PatentIn software help, call (703) 308-6856
. 0. 1	atontin software help, call (100) 300-0000

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE

Raw Sequence Listing Error Summary

ERROR DETECTED	SUCCESTED CORRECTION SERIAL NUMBER: 99/35040 2
ATTN: NEW RULES CAS	es: Please disregard english "Alpha" headers, which were inserted by pa
lWrapped Nucleics Wrapped Aminos	The numberAext at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to 3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is missligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6Patentin 2.0 "bug"	A "bug" in Patentin version 2.0 has equiped the <220> <223> section to be missing from amino acid sequences(s) Normally, Patentin would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220> <223> section to the subsequent amino acid sequence. This applies to the mandatory <220> <223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to Include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If Intentional, please insert the following times for each skipped sequen <210> sequence id number <400> sequence id number 000
Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents
0Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown is Artificial Sequence
Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules
Patentin 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
Misuse of n	in can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represe

AMC/MH - Biotechnology Systems Branch - 08/21/2001

Input Gield 160 ded not match output See Suchsures/Attachments

1600

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RAW SEQUENCE LISTING
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PATENT APPLICATION: US/09/350,401

DATE: 09/27/2001 TIME: 14:19:41

Input Set : A:\139_10 SEQLIST.TXT

Output Set: N:\CRF3\09272001\I350401.raw

```
4 <110> APPLICANT: Alessandro Sette
              John Sidney
      6
              Scott Southwood
      7
              Maria A. Vitiello
      8
              Brian D. Livingston
      9
              Esteban Celis
     10
              Ralph T. Kubo
     11
              Howard M. Grev
     12
              Robert Chesnut
     14 <120> TITLE OF INVENTION: INDUCING CELLULAR IMMUNE RESPONSES TO
              HEPATITIS B VIRUS USING PEPTIDE AND NUCLEIC ACID
     16
              COMPOSITIONS
     18 <130> FILE REFERENCE: 139.10 US
     20 <140> CURRENT APPLICATION NUMBER: US 09/350,401
     21 <141> CURRENT FILING DATE: 1999-07-08
     23 <150> PRIOR APPLICATION NUMBER: US 08/820,360
     24 <151> PRIOR FILING DATE: 1997-03-12
     26 <150> PRIOR APPLICATION NUMBER: US 60/013,363
     27 <151> PRIOR FILING DATE: 1996-03-13
     29 <150> PRIOR APPLICATION NUMBER: US 09/189,702
     30 <151> PRIOR FILING DATE: 1998-11-10
     32 <150> PRIOR APPLICATION NUMBER: US 08/205,713
     33 <151> PRIOR FILING DATE: 1994-03-04
     35 <150> PRIOR APPLICATION NUMBER: US 08/159,184
                                                       Errored
     36 <151> PRIOR FILING DATE: 1993-11-29
     38 <150> PRIOR APPLICATION NUMBER: US 08/073,205
E--> 41 <160> NUMBER OF SEQ ID NOS: 3876 — Input 3876 Found 3877
                                     cheek distrete for actual contents MA
     43 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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Does Not Comply Corrected Diskette Needed

ERRORED SEQUENCES





PATENT APPLICATION: US/09/350,401

DATE: 09/27/2001 TIME: 14:19:50

Input Set : A:\139_10 SEQLIST.TXT

Output Set: N:\CRF3\09272001\I350401.raw

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L:15599 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (1197) SEQUENCE:
 L:42602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3274
 L:42619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3275
L:43130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3314
L:43147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3315
 L:43164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3316
L:43181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3317
L:43198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3318
L:43215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3319
L:43232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3320
L:43249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3321
L:43266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3322
L:43283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3323
L:43300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3324
L:43317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3325
L:43334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3326
L:43351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3327
L:43368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3328
L:43385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3329
L:43402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3330
L:43419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3331
L:44073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3381
L:44090 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3382
L:44536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3416
L:44553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3417
L:44572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3418 L:44589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3419
L\!:\!44606~M\!:\!341~W\!: (46) "n" or "Xaa" used, for SEQ ID#:3420
L:44623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3421
L:44640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3422
L:44657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3423
L:44674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3424
L:44691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3425
L:44708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3426
L:44725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3427
L:44742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3428
L:44759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3429
L:44776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3430
L:44793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3431
L:44810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3432
L:44827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3433
L:50630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3877
L:41 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (3876) Counted (3877)
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Attachin Printout Explanny Errors

us/09/00/01

<210> 3877 <211> 13 <212> PRT

<213> Artificial Sequence

<220>

<223> Artificial Peptide

<220>

<221> MOD_RES

<222> (3)

<223> Xaa = cyclohexyalanine, Phe or Tyr

<400> 3877

Ala Lys Xaa Val Trp Ala Asn Thr Leu Lys Ala Ala Ala

5 10

Input: 3876 sequences
Found: 3877 sequences
Actual file contents as of

Does Not Comply
Corrected Disketto Needed